

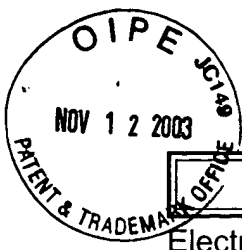


Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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NOV 17 2003  
TC 1700

EFS ID: 50541  
Application ID: 10076858  
Title of Invention: MICROMACHINED STRUCTURES  
MADE BY COMBINED WET AND  
DRY ETCHING  
First Named Inventor: Dan Steinberg  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2002-02-14  
Effective Receipt Date: 2003-11-12  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 8738  
Attorney Docket Number: Shipley 03-19  
Total Fees Authorized: 180.0  
Payment Category: Deposit Account  
Deposit Account Number: 41406  
Deposit Account Name: Niels Haun  
Access Code: \*\*\*\*  
RAM Payment Status: RAM success  
RAM User ID: EFSPROD  
RAM Accounting Date: 2003-11-12  
RAM Sequence Number: 12


Digital Certificate Holder: cn=Niels Haun,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 1eac48d66689b550ed6d6b4f18e875a3ff434f3e



## TRANSMITTAL

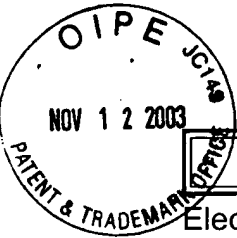
Electronic Version v1.1  
Stylesheet Version v1.1.0

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Title of Invention	MICROMACHINED STRUCTURES MADE BY COMBINED WET AND DRY ETCHING															
<p>Application Number: 10/076858 </p> <p>Date: 2002-02-14</p> <p>First Named Applicant: Dan A. Steinberg</p> <p>Confirmation Number: 8738</p> <p>Attorney Docket Number: Shipley 03-19</p>																
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Niels Haun Registered Number: 48,488</td><td>/nh/</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Niels Haun Registered Number: 48,488	/nh/	Attorney								
Submitted by:	Elec. Sign.	Sign. Capacity														
Niels Haun Registered Number: 48,488	/nh/	Attorney														
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>03-19-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr><tr><td>us-fee-sheet</td><td>03-19-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xsl</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr></table>			Documents being submitted	Files	us-ids	03-19-usidst.xml		us-ids.dtd		us-ids.xsl	us-fee-sheet	03-19-usfees.xml		us-fee-sheet.xsl		us-fee-sheet.dtd
Documents being submitted	Files															
us-ids	03-19-usidst.xml															
	us-ids.dtd															
	us-ids.xsl															
us-fee-sheet	03-19-usfees.xml															
	us-fee-sheet.xsl															
	us-fee-sheet.dtd															

## Comments

In the event a fee is required the Commissioner is authorized to charge any underpayment or credit any overpayment to the account of the undersigned attorneys, Account No. 04-1406.



**FEE TRANSMITTAL**

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TC 1700

Electronic Version v08  
Stylesheet Version v08.0

<b>Title of Invention</b>	<b>MICROMACHINED STRUCTURES MADE BY COMBINED WET AND DRY ETCHING</b>
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Application Number:	10/076858	
Date:	2002-02-14	
First Named Applicant:	Dan A. Steinberg	
Attorney Docket Number:	Shipley 03-19	
Art Unit:	1775	
Examiner:	Stephen J. Stein	

**TOTAL FEE AUTHORIZED \$180**

Patent fees are subject to annual revisions on or about October 1st of each year.

<b>BASIC FILING FEE</b>			
Fee Description	Fee Code	Amount \$	Fee Paid \$
Submission Of Information Disclosure Stmt Fee	1806	180	180

**AUTHORIZED BILLING INFORMATION**

The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit account number: 041406

Access Code: \*\*\*\*

Deposit name: Dann Dorfman Herrell and Skillman, P.C.

Deposit authorized name: Niels Haun

Signature: /nh/

Date (YYYYMMDD): 2003-11-12

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.



# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

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NOV 17 2003  
TC 1700

Title of  
Invention

MICROMACHINED STRUCTURES MADE BY COMBINED  
WET AND DRY ETCHING

Application Number: 10/076858  
Confirmation Number: 8738  
First Named Applicant: Dan Steinberg  
Attorney Docket Number: Shipley 03-19  
Art Unit: 1775  
Examiner: Stephen J. Stein  
Search string: ( 4225213 or 4253735 or 4362367 or 4411057  
or 4812002 or 4830450 or 5024500 or 5095386  
or 5135590 or 5281301 or 5357593 or 5381231  
or 5844723 or 5896481 or 5911021 or 6023546  
or 6088168 or 20030067049 ).pn.



## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4225213	1980-09-30	McBride, Jr. et al.			
	2	4253735	1981-03-03	Kawamura et al.			
	3	4362367	1982-12-07	Hammer et al.			
	4	4411057	1983-10-25	Duda et al.			
	5	4812002	1989-03-14	Kato et al.			
	6	4830450	1989-05-16	Connell et al.			
	7	5024500	1991-06-18	Stanley et al.			
	8	5095386	1992-03-10	Scheibengraber			
	9	5135590	1992-08-04	Basavanhally et al.			
	10	5281301	1994-01-25	Basavanhally			
	11	5357593	1994-10-18	Bossler			
	12	5381231	1995-01-10	Tu			
	13	5844723	1998-12-01	Snyder			
	14	5896481	1999-04-20	Beranek et al.			
	15	5911021	1999-06-08	MacDonald et al.			

	16	6023546	2000-02-08	Tachigori
	17	6088168	2000-07-11	Snyder

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20030067049	2003-04-10	Steinberg et al.			

## Remarks

Note: Remarks are not for responding to an office action.

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## Signature

Examiner Name	Date